

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/FI 03/00432

10/517506

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C22B 15/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C22B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                    | Relevant to claim No. |
|-----------|---|-----------------------|
| X         | US 4470845 A (JOHN C. YANNOPOULOS), 11 Sept 1984<br>(11.09.84), column 4, line 37 - line 52<br>--     | 1-8                   |
| X         | US 4416690 A (KENNETH J. RICHARDS ET AL),<br>22 November 1983 (22.11.83), figure 1,<br>abstract<br>-- | 1-8                   |
| X         | US 4349383 A (KIRANENDU B. CHAUDHURI),<br>14 Sept 1982 (14.09.82), claim 1,<br>abstract<br>--         | 1-8                   |

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

8 Sept 2003

Date of mailing of the international search report

09 -09- 2003

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| X         | US 5194213 A (CARLOS M. DIAZ ET AL), 16 March 1993<br>(16.03.93), column 2, line 28 - line 52<br><br>--  | 1-8                   |
| X         | US 3980470 A (HIROSHI KAMETANI ET AL),<br>14 Sept 1976 (14.09.76), column 1,<br>line 51 - line 65; column 2, line 30 - line 37<br><br>--                 | 1-8                   |
| A         | US 4030915 A (OLAVI AUGUST AALTONEN ET AL),<br>21 June 1977 (21.06.77), page 4,<br>column 64 - page 5, column 4, abstract,<br>Table 1<br><br>--<br>----- |                       |

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